PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	, A			
To-	PCT			
Davies Collison Cave Levei 15 1 Nicholson Street MELBOURNE VIC 3000	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY. OR THE DECLARATION			
	(PCT Rule 44.1)			
London 21. H. cq -	Date of mailing (day/month/year) 2 1 SEP 2004			
Applicant's or agent's file reference 12467540/EJH/HPM/DYS	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date			
PCT/AU2004/000894	(day/month/year 2 July 2004			
Applicant GENERA BIOSYSTEMS PTY LTD et al				
have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendmen international search report. Where? Directly to the International Bureau of V 1211 Geneva 20, Switzerland, Facsimile For more detailed instructions, see the notes on the ac The applicant is hereby notified that no international search to that effect and the written opinion of the International Set to that effect and the protest against payment of (an) addition the protest together with the decision thereon has been request to forward the texts of both the protest and the no decision has been made yet on the protest; the applicant in the applicant wishes to avoid or postpone publication, claim, must reach the International Bureau as provided in Rules 9 preparations for international publication. The applicant may submit comments on an informal basis on the International Bureau. The International Bureau will send a copy preliminary examination report has been or is to be established. The before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of sexamination must be filed if the applicant wishes to postpone the some Offices even later); otherwise, the applicant must, within 2 into the national phase before those designated Offices.	VIPO, 34 chemin des Colombettes No.: +41 22 740 14 35 companying sheet. report will be established and that the declaration under Article 17(2)(3) arching Authority are transmitted herewith. nal fee(s) under Rule 40.2, the applicant is notified that: n transmitted to the International Bureau together with the applicant's edecision thereon to the designated Offices. licant will be notified as soon as a decision is made. the international application will be published by the International a notice of withdrawal of the international application, or of the priority 10bis.1 and 90bis.3, respectively, before the completion of the technical written opinion of the International Searching Authority to the of such comments to all designated Offices unless an international These comments would also be made available to the public but not			
See the Annex to Form PCT/IB/301 and, for details about the ap Volume II, National Chapters and the WIPO Internet site.	plicable time limits, Office by Office, see the PCT Applicant's Guide,			
Name and mailing address of the ISA/AU	Authorized officer			
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA DAVID OLDE				

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12467540/EJH/HPM/DYS	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/AU2004/000894	International filing date (day/month 2 July 2004	/year) (Earliest) Priority Date (day/month/year) 4 July 2003
Applicant GENERA BIOSYSTEMS PT	Y LTD et al	
Article 18. A copy is being transmitted to the This international search report consists of a	e International Burcau.	Authority and is transmitted to the applicant according to this report.
1. Basis of the report		
 With regard to the language, the interior it was filed, unless otherwise indicates 	ernational search was carried out on the control of	e basis of the international application in the language in which
The international sea Authority (Rule 23.1		anslation of the international application furnished to this
		ed in the international application, see Box No. I.
2. Certain claims were found u	nsearchable (See Box No. 11).	
3. Unity of invention is lacking	(See Box No. III).	
4. With regard to the title,	1	
the text is approved as submit	ted by the applicant.	
	by this Authority to read as follows:	
Methods for detecting aneu	ploidy using microparticle m	ultiplex detection
5. With regard to the abstract,		
X the text is approved as submi	ned by the applicant.	
the text has been established one month from the date of r	according to Rule 38.2(b), by this Aunailing of this international search rep	thority as it appears in Box No. IV. The applicant may, within ort, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be p	ublished with the abstract is Figure No	
as suggested by the	applicant.	•
as selected by this	Authority, because the applicant failed	l to suggest a figure.
as selected by this	Authority, because this figure better c	haracterizes the invention.
b. X none of the figures is to be	oublished with the abstract.	

See patent family annex

CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C12Q 1/68 C12N 15/12 G01N 33/52

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

X | Further documents are listed in the continuation of Box C

SEE ELECTRONIC DATABASES

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE ELECTRONIC DATABASES

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Medline, CaPlus, Biosis, WPIDS (chromosom?, aberrat?, preimplant?, diagnos?, aneuploid?, flow cytometry. cytometric bead array, bead, micro. particle, multiplex, intensity, size)

C.	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO2002 040698 A (SURROMED INC) 23 May 2002. See whole document.	1-23
x	Cook, E.B. et al. 2001. Simultaneous measurement of six cytokines in a single sample of human tears using microparticle-based flow cytometry: allergics vs. non-allergics. Journal of Immunological Methods. 254:109-118. See whole document.	1-6
x	Spiro, A. et al. 2000. A bead-based method for multiplexed identification and quantification of DNA sequences using flow cytometry. Applied and Environmental Microbiology. 66(10):4258-4265. See whole document.	1-23

•	Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
	the state of the s	#3/#	deciment of particular relevance: the claimed invention cannot be considered to

-0-	or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means	*&*	involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
"P"	document published prior to the international filing date but later than the priority date claimed			
	of the actual completion of the international search eptember 2004	٠	Date of mailing of the international search report 2 1 SEP 2004	
AUS	e and mailing address of the ISA/AU TRALIAN PATENT OFFICE BOX 200, WODEN ACT 2606, AUSTRALIA		Authorized officer	
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929			DAVID OLDE Telephone No: (02) 6283 2569	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000894

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO1997014023 A (Luminex Corporation) 17 April 1997 See whole document	1-23
A	Wilton, L. 2002. Preimplantation genetic diagnosis for aneuploidy screening in early human embryos: a review. Prenatal Diagnosis. 22:512-518. See whole document.	1-23
A	Lomax, B. et al. 2000. Comparative genomic hybridization in combination with flow cytometry improves results of cytogenetic analysis of spontaneous abortions. American Journal of Human Genetics. 66:1516-1521. See whole document.	1-23
Α	Trask, B. et al. 1990. Quantification of the DNA content of structurally abnormal X chromosomes and X chromosome aneuploidy using high resolution bivariate flow karyotyping. Cytometry. 11:184-195. See whole document.	1-23
:	oce where documents	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000894

This mex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report		Patent Family Member				
WO	1997 014028	AU	73989/96	, CA	2227895	EP	0852004
		US	5736330	US	5981180	US	6057107
		US	6449562	US	6524793	US	2004059519
wo	2002 040698	ΑÜ	37662/02				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX